User Guide

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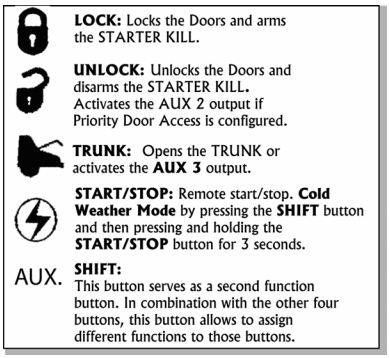
Introduction

This module is a state-of-the-art combination of an alarm system and a remote car starter. It represents a major breakthrough in vehicle security technology and remote starter systems.

Basic Remote Operation


LOCK: Locks the Doors and arms the STARTER KILL.
UNLOCK: Unlocks the Doors and disarms the STARTER KILL. Activates the AUX 2 output if Priority Door Access is configured.
TRUNK: Opens the TRUNK or activates the AUX 3 output.
START/STOP: Remote start/stop. Cold Weather Mode by pressing the SHIFT button and then pressing and holding the START/STOP button for 3 seconds.
AUX.
SHIFT: This button serves as a second function button. In combination with the other four buttons, this button allows to assign different functions to those buttons.

Note: Pressing the **SHIFT** and **LOCK** buttons at the same time will activate the **AUX 2** output.

Remote-starting Your Vehicle

Remote-starting

Press the START button for approx. 1 second. The parking lights will come ON, informing you that the unit has received your signal. The engine will start approx. 5 seconds later. The parking lights will remain ON during the pre-programmed run time.
If the vehicle doesn't start at the first attempt, the system will shut down, wait a few seconds, and try to start the engine again. It will try to start the engine 3 times before giving up.

Vehicle Presets

Heater & Heated Seat

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the next remote start. Settings for the blower motor (fan), front and rear, as well as heated seats (if equipped) should not be left on HIGH. It is recommended to leave the settings on LOW or MEDIUM instead.

Windshield Wipers & Radio & Headlights

Certain vehicles require the radio and / or windshield wiper and / or headlight circuits to become energized while running under remote start. When leaving the vehicle you must ensure that the windshield wiper and headlight switches are OFF. Leaving the headlight switch ON on certain vehicles could cause them to remain ON even after remote starter shut down, resulting in a dead battery.

Driving Off

With the vehicle running under remote control, press the UNLOCK button to DISARM and UNLOCK the doors. Enter the vehicle and do the following:

- Turn the ignition key to the IGNITION ON (RUN) position. (**Do not** turn the key to the START position while the engine is running. This will cause the starter motor to re-engage.)
- Press the brakes to disengage the remote starter unit.

You are now ready to drive off.

Idle Mode

This feature allows you to remove the key from the ignition and leave the vehicle running for its pre-programmed run time while you are away from your vehicle. This feature is handy if you need to stop for a quick delivery, or at a convenience store.

To enable the Idle Mode:

1. Press and hold LOCK, UNLOCK or START on your transmitter while the engine is running.
2. The parking lights will come ON.
3. Remove the key, exit the vehicle;
    - Press the LOCK button if you need to lock the doors while the engine is running.

Caution: Do not leave children or pets unattended in a car running in Idle Mode.

Valet Mode

The system can be placed in Valet Mode to disable the remote starting capabilities. If the vehicle needs to be serviced, or if you park it indoors, the Valet Mode will prevent the engine from being remote-started accidentally.

To put the system *into* Valet Mode:

1. Turn the key to the **IGNITION ON (RUN)** position.
2. Within 3 sec. press the Valet button and release it. The LED will come **ON**. (The system is in Valet Mode.)

To take the system *out of* Valet Mode:

1. Turn the key to the **IGNITION ON (RUN)** position.
2. Within 3 sec. press and release the Valet button. The LED will go **OUT**. (The system is out of Valet Mode.)

The Valet button can only be used if the ignition key is in the **IGNITION ON (RUN)** position.

Ignition Valet

The system can be placed in Valet Mode to disable the remote starting capabilities. If the vehicle needs to be serviced, or if you park it indoors, Valet Mode will prevent the engine from being accidentally started by remote control.

To ENTER Valet Mode

1. With the key in the Ignition switch, turn the key to the **ON (RUN/IGNITION)** and then **OFF** positions 5 times within 10 seconds.
2. The Parking Light will flash 3 times indicating the Module is now in Valet Mode. The LED will turn **ON** solid.

To EXIT Valet Mode

1. With the key in the Ignition switch, turn the key to the **ON (RUN/IGNITION)** and then **OFF** positions 5 times within 10 seconds.
2. The Parking Light will flash twice indicating the Module is now out of Valet Mode. The LED will turn **OFF**.

Remote Valet

This feature will put your vehicle into Valet Mode using the remote transmitter instead of the Valet button as above.

> **Note:** Once the Electronic Valet is activated, the remote starter and Alarm features are disabled.

To put the system *into* Valet Mode:

1. Hold down the **UNLOCK** and **START** buttons simultaneously for 3 seconds.
2. **The Parking Lights will flash 3 times.**
   The siren will chirp twice and the LED will come **ON**.

To take the system *out of* Valet Mode:

1. Hold down the **UNLOCK** and **START** buttons simultaneously for 3 seconds.
2. **The Parking Lights will flash 2 times.**

The siren will chirp twice, then pause, then chirp twice again, and the LED will go **OUT**.

Panic Mode

> **Safety feature:** activate panic mode in an emergency situation.

In an emergency situation, you can activate panic mode using the **SHIFT** button. This will:

- Shut down the engine,
- Unlock the doors (if **UNLOCK** is pressed)
- Or lock the door (if **LOCK** is pressed),
- Disarm the Starter Kill and
- Activate the siren for 1 minute.

(See below for a description of the Starter Kill.)

To activate Panic Mode

- Press and hold the SHIFT button for approximately 3 seconds until the siren starts to sound and the parking lights flash: this will unlock the doors before the siren sounds.
- *Or* press and hold the SHIFT button for approximately 3 seconds until the siren starts to sound and the parking lights flash: this will lock the doors before the siren sounds.

Panic Mode will automatically shut down after 1 minute.

> **Note:** To stop Panic Mode before the 1-minute delay, press the LOCK or UNLOCK button until the siren stops.

Quick Lockout™

(Also called **Secure Panic**.) For fast protection, the system will LOCK all doors when you press the **brake pedal while the siren is sounding**. (**Quick Lockout** is only available when *Panic* has been activated.)

Cold Weather Mode

When the Cold Weather Mode is active, the engine starts every 2 hours and runs for 4 minutes (or for 9 or 20 minutes with Diesel engines); the routine will go on for a period of 24 hours.

To *E N T E R* cold weather mode:

- Press the SHIFT button and then hold the START button for 3 seconds until the parking lights flash 3 times.

To *E X I T* cold weather mode, do any one of the following:

- Open the hood.
- Start the engine using the remote control.
- Turn the ignition key to the IGNITION ON (RUN) position.
- Press the SHIFT button and then hold the START button for 3 seconds. (The parking lights will flash once.)

To check whether Cold Weather Mode is active, press and release the brake pedal: the parking lights should stay on while your foot is on the brake pedal.

Priority Door Access

This safety feature lets you unlock only the driver's door when you press the UNLOCK button on the transmitter, and then UNLOCK the rest of the vehicle doors if the UNLOCK button is pressed for a second time within 3 seconds.

Chirp Delete

To temporarily disable the siren's chirp confirmations upon arming and disarming (e.g. in a quiet neighbourhood):

1. Press the TRUNK button.
2. Within 3 seconds, press the LOCK or UNLOCK button to arm or disarm without any chirps.

> **Note:** Your installer can program the Chirps Disabled feature if you want the chirps to be permanently disabled.

User-selectable Options

The system was designed with flexibility and OEM integration in mind. With its programmable options, this unit can single-handedly control nearly any electrical system in your vehicle.

> **Note:** The programming of your system should be left to a professional. Changing any one of the settings may affect the operation of your system.

The user-selectable options are as follows:

- Safe Start
- Remote Door Locks
- Passive or Active Arming
- Disarm Notification
- Shock Sense and Warn-Away Sense
- Siren Chirps
- Ignition-Controlled Door Locks
- Ignition Re-Lock
- Secure Lock
- Remote Trunk Release
- Starter Kill
- Engine Run Time
- Multi-Car Operation

Safe Start

> **Safety feature:** Safe Start features will prevent accidental remote starts.

If this feature is enabled, the user must press the START button 2 times within 3 seconds to remote-start the vehicle.

If **Swap Start** Mode has been configured by your installer, to remote-start your vehicle press LOCK and UNLOCK simultaneously. (Press Start to trigger the AUX 2 output.)

Safe Start features will eliminate accidental remote starts, e.g. when there are children playing with the transmitter.

Remote Door Locks

If your system was installed with the Remote Door Locks option, you will have the convenience of remote keyless entry.

To UNLOCK your doors and DISARM the system:

1. Press and hold the UNLOCK button for approx. 1 sec.
2. The parking lights will flash twice and the LED will go out to confirm that the doors have been unlocked, that the Starter Kill feature is disarmed (if it was installed) and that the Alarm is disabled.

To LOCK your doors and ARM the system:

1. Press and hold the LOCK button for approx. 1 sec.
2. The parking lights will flash once and the LED will flash slowly to confirm that the doors have been locked, that the Starter Kill feature is enabled (if it was installed) and that the Alarm is armed.

Passive or Active Arming

By default, the system is configured to **Passive Arming Mode**. In Passive Arming Mode, the Starter Kill and the Alarm will automatically arm **30 seconds** after the last door is closed. The system will not arm itself if a door is left open.

> **Important note:** When the system re-arms automatically or if there is an Alarm condition, you can disarm the system by simply pressing the UNLOCK button.

Disarmed Notification

(OFF by default.) This feature will notify the user when the vehicle was left disarmed: 10 seconds after the engine has been shut down and all doors have been closed, the horn will honk once if the doors have been left unlocked.

Shock Sense And Warn-Away Sense

(Both enabled by default.) This system can react to a full shock by triggering the Alarm; it can also respond to a lighter shock (30 % of the strength of a full shock) by giving a *warn-away* (without triggering an Alarm condition). When the Engine is running after a remote start, however, **the system will prevent any Alarm condition to be triggered** ; it will still give a warning sound if *warn-away* is enabled.

Siren Chirps

(On by default.) The siren will chirp to confirm the system's basic operations:

- By default, when the doors are being **locked** the siren will give **one chirp** if none of the zones are active.
- If a **zone is active** as the doors are being **locked**, the siren will give **three chirps**.
- When the doors are being **unlocked**, the siren will give **two chirps** if no intrusion was detected.
- If an **intrusion was detected**, as the doors are being **unlocked** the siren will give **four chirps**.

The system can alternatively be set to:

- **Warning Mode** (no chirp during lock/unlock – unless a zone is active when locking, in which case there will be 3 chirp upon locking – or unless the alarm was triggered, in which case there will be 4 chirps when unlocking);
- **Open Zone Notification** (the system will warn for doors opened up to 10 seconds after arming).
- **No Chirp** (the vehicle will not chirp under any circumstance).

Open Zone Notification:

(Off by default.) This feature will warn the user when a Door is left open: upon the arming of the Module, a 10-sec. notification delay will take place, after which the Siren will chirp 3 times if an open door is detected.

Ignition-Controlled Door Locks

This is an added security feature. If your system was installed with the Ignition-Controlled Door Locks option, the doors will automatically be locked as soon as the key is turned to the IGNITION ON (RUN) position while the brakes are pressed. When the key us turned to the OFF position, the doors will automatically be unlocked.

Ignition Re-Lock

When the Ignition-Controlled Door Locks option is enabled and the ignition is ON, should any door be unlocked and opened, all the doors will be re-locked next time the brake pedal is pressed.

Secure Lock

This is an added security feature. If your system was installed with the Secure Lock option, it will automatically lock your doors and arm the system 4 seconds after your start your car by remote. The system will automatically lock the doors again after shut-down.

Remote Trunk Release

If your system was installed with the Remote Trunk Release, you can open your trunk by pressing the TRUNK button for 3 sec. on the transmitter, or by pressing the TRUNK button **twice** within 3 sec.

Starter Kill

This added security feature will immobilize your vehicle when the system is armed. If your system was installed with the Starter Kill option, you will not be able to start your vehicle with the key unless the system has been disarmed first.

The Starter Kill option follows the Alarm arming function, and can therefore be programmed to be **active** (will not arm automatically) or **passive** (will arm automatically).

In **passive** Mode, the Starter Kill can be set to arm automatically in 30 seconds either with or without Siren chirps.

To **disarm** the Starter Kill, press and hold the UNLOCK button on the transmitter. The parking lights will flash twice. (If door locks were installed, this will also unlock the doors.)

In **passive** Mode, the system will automatically re-arm itself 30 seconds after unlocking the doors if the key has not been inserted in the ignition by then.

To **arm** the Starter Kill, press and hold the LOCK button on the transmitter. The parking lights will flash once. (If the door locks were installed, this will also lock the doors.)

Engine Run Time

If you have a gas engine, your system can be programmed to run the engine for 4, 15, or 25 minutes (15 min default). If you have a diesel engine, it can be programmed to run the engine for 9, 20, or 30 minutes (20 min default).

Extended Run Time

With the vehicle running under a remote start, pressing and holding the START button for more than 1 seconds will reset the run time counter to zero and restart the run time cycle from the beginning.

To stop the vehicle, at any moment, simply press and release the STOP button. This procedure can only be carried out once per remote start.

Example: if your Module is programmed for a run time of 4 minutes and your vehicle has been running for 3 minutes already, pressing the START button will reset the counter to zero and the Engine will run for another cycle (in this case, 4 minutes).

Multi-Car Operation

This option allows the owner of two vehicles, both equipped with identical systems, to control both systems with only one remote transmitter. To control the second vehicle, simultaneously press the **TRUNK** button and the button of the function you wish to use:

- Press **SHIFT + SHIFT + LOCK**: ..... **LOCK**
- Press **SHIFT + SHIFT + UNLOCK**:..... **UNLOCK**
- Press **SHIFT + SHIFT + START**: ..... **START**
- Press **SHIFT + SHIFT + STOP**: ..... **STOP**
- Press **SHIFT + SHIFT + TRUNK**:..... **AUX 3 (TRUNK)**

Car Finder

When enabled, the car finder option will help you locate your vehicle by sending a pulsating signal through the horn or the siren. To hear the signal, press the **SHIFT** followed by the **LOCK** button. This will produce a pulsating signal for the time you keep the **LOCK** button pressed.

Diagnostics – Chirps Diagnostics – Parking Lights

Chirps	Description
1	• Lock and arm the system. • **LOCK** confirmation. • Entering Mode 1 in the programming options. • Start attempt when engine is already running under remote control.
2	• Unlock and disarm. • Transmitter programmed. • Entering Remote Valet. • Entering Mode 2 in programming options.
3	• Lock and arm – a zone is unprotected. • Entering Mode 3 in the programming options.
4	• Unlock and disarm – an intrusion occurred. • Entering tach programming procedure.
5	• Siren or Horn Chirp Timing adjustment.
Constant up to 60 seconds	• In Siren Mode: alarm condition generated by an intrusion, by Panic Mode or when the Module is powered up. The Siren will sound for 60 sec.
Constant up to 30 seconds	• In Horn Mode: alarm condition generated by an intrusion, by Panic Mode or when the Module is powered up. The Horn will sound for 30 sec.

Parking Lights Flash Rate (Normal Operation)

Flashes	Description
1	• Doors locked, starter kill armed. • End of run time. • **TRUNK** button pressed • **START** signal received by the module. • Cold weather mode cancelled. • Cannot start after maximum number of attempts is reached.
2	• Run time cancelled. • Exiting remote valet mode • Remote start attempt cancelled by remote. • Exiting ignition valet mode • Doors unlocked, starter kill disarmed.
3	• Entering cold weather mode • Entering remote valet • Entering ignition valet
4	• +12 volts detected on the brake line; cranking cancelled • Entering tach programming
5	• New Transmitter programmed • Tach programmed
6	• Remote start attempt was made with a tach or a vacuum signal detected before cranking
8	• Unit reset: occurs when the unit is reset to factory defaults
10	• The hood switch line went to ground during cranking or run time
1 – pause – 2	• There was an attempt to start the vehicle while the module was in valet mode.
ON solid	• **Cold weather mode**: the brake pedal is being held down
ON 2 sec.	• The hood is up and the hood switch line went to ground. This is step one of the programming mode
ON 3 sec.	• First press of the **START** button under safe start. • Entering home valet mode
ON 4 sec.	• **LOCK** or **UNLOCK** pulse (if door pulse is configured to 4 sec.)
ON 25 sec.	• If the hood pin-switch has been pressed twice: the unit went into step 1 of the programming cycle and no transmitter activity was detected for 20 seconds • **Or** the unit went into step 1 of the transmitter code programming procedure and no activity was detected for a few seconds. The unit has exited the transmitter code programming procedure.
Irregular	• If the module gives irregular flashes (1 to 10 flashes followed by a pause, followed by more flashes), it is in playback mode. This occurs when the hood-switch line is flashed 3 times.
Constant flashes up to 30 sec.	• Panic mode set off.